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(71) Applicant: **OSAKA GAS CO LTD**

(72) Inventor: **FUJITA JUNICHI**
OKAMOTO KAZUO

(54) **ADSORBENT CONSISTING OF FIBROUS
ACTIVATED CARBON AND GRANULAR
ACTIVATED CARBON**

(57) Abstract:

PURPOSE: To improve treatment quantity and a treatment speed even when an adsorbing apparatus having the same scale as a conventional method is used, by constituting an adsorbent by arranging 40W70vol.% of fibrous activated carbon and 60W30vol.% of granular activated carbon in a closely contacted state.

CONSTITUTION: An adsorbent is constituted by arranging 40W70vol.% of fibrous activated carbon (FAC)

and 60W40vol.% of granular activated carbon (BAC) in a closely contacted state. FAC pref. has physical properties such that a specific surface area is 700W2,500m²/g, a fiber diameter is 10W15mm, tensile strength is 10W25kg/mm² and elongation is 2W3%. BAC pref. has physical properties such that a specific surface area is 900W1,200m²/g and an average particle size is about 0.9W0.4mm. In the aforementioned adsorbent, an especially pref. result is obtained in the adsorption of a solvent easy to adsorb such as benzene or toluene and a substance such as aldehydes or amines by FAC.

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